

TV-Video Combi



TVCR-A1404 TVCR-B1404T

TVCR-A2104 TVCR-B2104T

Owner's Manual

Table of Contents

Safety Information	2
Before Using This Product	2
Installation	5
TV Functions	9
Playback	10
Manual Recording	11
Timer Recording	12
Other Functions	13
Maintenance	14
Troubleshooting Guide	15
Specifications	15
Declaration of Conformity	16

Features

- Automatic Operations
- On Screen Display
- Teletext Reception (TVCR-A1404T/TVCR-A2104T)
- Sleep Timer
- Auto Repeat Playback
- One Touch Recording
- Timer Recording
- Auto Head Cleaner
- NTSC Playback

Supplied Accessories

- Owner's manual
- Remote control
- Two R6 batteries

Important Copyright Information

Unauthorised recording or use of broadcast television programming, video tape, film or other copyrighted material may violate applicable copyright laws. We do not take responsibility for the unauthorised duplication, use, or other acts which infringe upon the rights of copyright owners.

A Note About Recycling

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.

Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

Model/Serial Number

This appliance has a serial number located on the rear panel. Please note down the model number and serial number and retain the information for your records.

Model number: _____

Serial number: _____

Safety Information

WARNING:

- **Live parts inside. Do not remove any screws.**
- **To avoid fire or electric shock, do not expose this unit to rain or moisture.**
- **Dangerous voltage inside**
- **As soon as the unit is connected to the power supply, some components are in constant operation. To power off the unit completely you must disconnect it from the mains or power it off with the main switch.**

Precautions

- Use only cassettes with the VHS mark with this unit.
- Do not attempt to open the cabinet. There are no parts you can service inside. Refer all servicing to qualified service personnel.
- Slots and openings in the cabinet and the sides or bottom are provided for ventilation. To ensure reliable operation and to protect the unit from overheating, these openings must not be blocked or covered.

- Avoid installation in enclosed spaces such as bookcases unless proper ventilation is provided.
- Keep the unit away from radiators and other heat sources.
- Avoid use near strong magnetic fields.
- Do not push objects of any kind into the unit through the cabinet slots or openings as they could touch electrically live parts or short circuit parts resulting in a fire or electric shock.
- Never spill liquid on this unit. If liquid is spilled and penetrates into the unit, consult qualified service personnel.
- Use this unit in a horizontal (flat) position only.
- Do not place any combustible objects on the device (candles, etc.).

Dew Warning

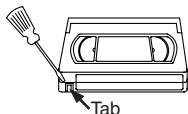
Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place, after heating up a cold room, or under conditions of high humidity. Do not use the unit for at least 2 hours until it is dry inside.

Before Using This Product

Video Cassette Tape

This unit will operate with any cassette that bears the VHS mark. For best results, we recommend the use of high-quality tapes. Do not use poor quality or damaged tapes.

You can prevent accidental erasing of a recording by breaking off the erase-prevention tab on the back edge of the cassette. If you decide to record on the tape again, cover the hole with plastic tape.



Two Different Tape Speeds

Before recording, select the tape speed : SP mode (Standard Play) or LP mode (Long Play). The table below shows the maximum recording/playback time using E-60, E-120, E-180 or E-240 tapes in each mode.

Tape Type	Recording/Playback Time	
	SP Mode	LP Mode
E-60	1 hour	2 hours
E-120	2 hours	4 hours
E-180	3 hours	6 hours
E-240	4 hours	8 hours

TV Colour System

Different countries use different television colour systems. Tapes recorded in the PAL or NTSC system can be played back on this unit. Usually, the picture on the TV screen will be in black and white when you play back a tape that is recorded in a different colour system.

Tapes recorded in the NTSC system can be played back on this unit. This feature is only available in the SP and SLP mode. When playing back such tapes, the picture may roll up or down, shrink vertically and black bars may appear both at the top and bottom of the screen. If this occurs, you can adjust the tracking control manually by pressing **PROG +/-** until the streaks disappear.

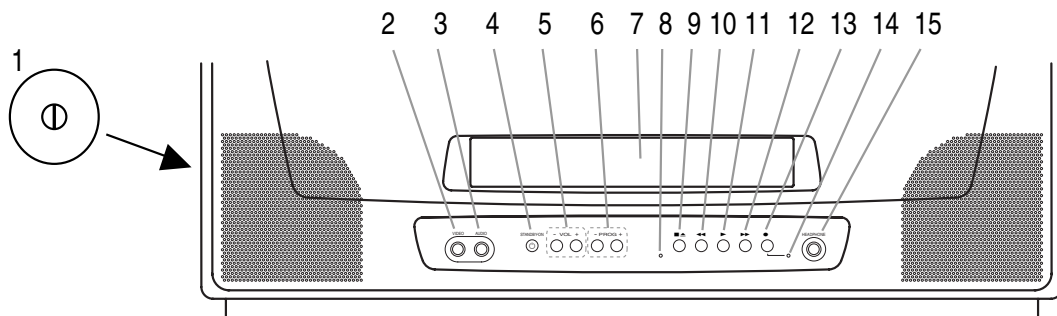
Controls and Connections

This manual covers 14" and 21" models. The operation of both models are exactly same. The appearances of 14" and 21" models are slightly different. The 21" model is illustrated in this manual.

All the buttons mentioned in this manual without specific notice are ones on the remote control.

Front Panel

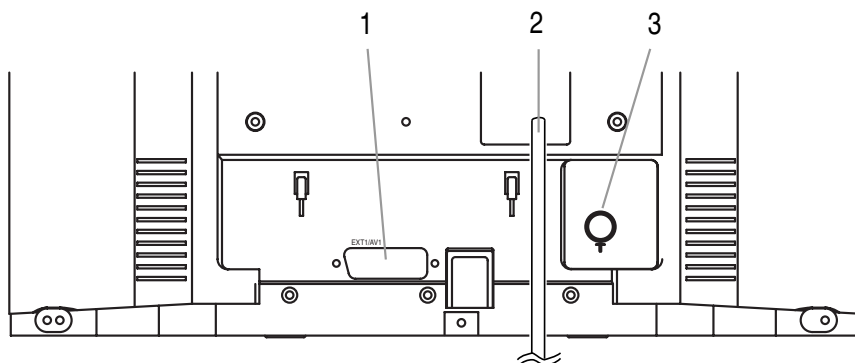
<TVCR-A2104, TVCR-A2104T>



- | | |
|-------------------------|------------------------------|
| 1. main power switch | 9. ■▲ (STOP/EJECT) button |
| 2. VIDEO input socket | 10. ◀◀ (Rewind) button |
| 3. AUDIO input socket | 11. ▶▶ (PLAY) button |
| 4. STANDBY-ON/⊙ button | 12. ▶▶ (Fast Forward) button |
| 5. VOL +/- buttons | 13. ● (RECORD) button |
| 6. PROG +/- buttons | 14. RECORD indicator |
| 7. Cassette compartment | 15. HEADPHONE jack |
| 8. STANDBY indicator | |

Rear Panel

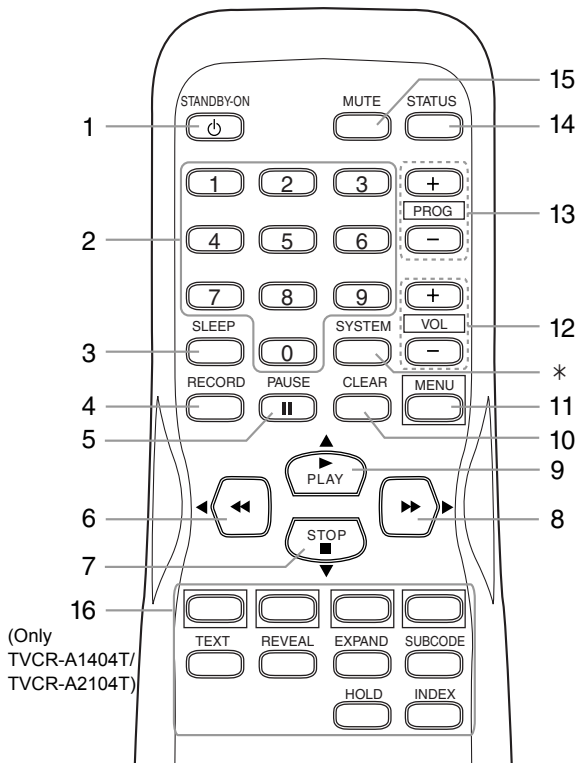
<TVCR-A2104, TVCR-A2104T>



1. EXT1/AV1 scart socket
2. Power cord
3. AERIAL socket

Caution: If you power off by pressing the main power switch, TIMER recordings are IMPOSSIBLE!

Remote Control

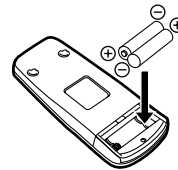


*This button does not function on this unit.

1. STANDBY-ON/⏻ button
2. number buttons
3. SLEEP button
4. RECORD button
5. PAUSE button
6. <</> button
7. STOP ■/▼ button
8. >>/▶ button
9. PLAY ▶/▲ button
10. CLEAR button
11. MENU button
12. VOL + / - button
13. PROG + / - button
14. STATUS button
15. MUTE button
16. These function buttons are for TVCR-A1404T and TVCR-A2104T only.
Red button / Green button / Yellow button / Blue button
TEXT button
REVEAL button
EXPAND button
SUBCODE button
HOLD button
INDEX button

To insert the batteries:

Install two R6 batteries matching the polarity indicated inside the battery compartment.



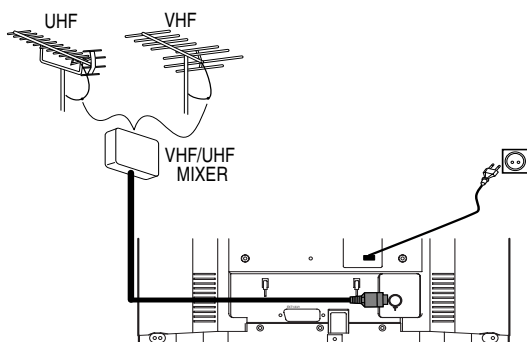
Caution

Do not mix old and new batteries. (Also never mix alkaline batteries with manganese batteries.)

Installation

Connecting the TV-Video Combi

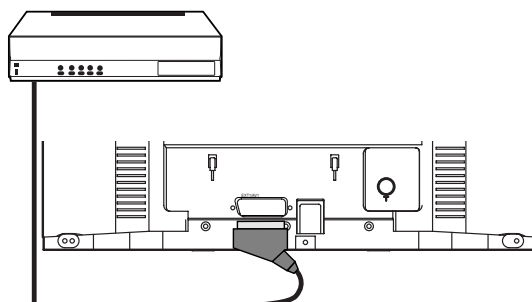
Connecting the Cable



- 1) Insert the VHF/UHF TV aerial coaxial cable plug into the AERIAL socket at the back of the unit.
- 2) Plug this unit into an AC outlet.
- 3) If the little red STANDBY indicator on the front panel does not light on, power on the unit with the main power switch. The main power switch is located on the left side panel.

Connecting Additional Devices

You can connect an additional device such as decoder, satellite receiver, camcorder, etc. to the EXT1/AV1 scart socket. The scart socket to be connected is usually marked 'AV' or 'TV' on the decoder or satellite receiver.



You can also use the AUDIO/VIDEO input sockets.

Note:

- To receive the signals from an external source, select an input mode 'AV1' or 'AV2' on this unit by pressing **PROG +/-** or the **number buttons**.
- If you are using the EXT1/AV1 scart socket, select 'AV1'. If you are using the front AUDIO/VIDEO input sockets, select 'AV2'.

Important Notes for Operation

Get Ready

Press the main power switch to power on the unit. Then the little red STANDBY indicator on the front panel comes on. (Stand-by mode)

Turn on the unit with **STANDBY-ON**/⏻ when the unit is in Stand-by mode.

- If you press **PLAY** ►/▲, **STOP** ■/▼, **PROG** +/-, ►►/►, ◀◀/◀ or the **number buttons** while the unit is in Stand-by mode, the power will be automatically turned on.
- The **number buttons** will be inactive for about 5 seconds just after having turned the unit off.

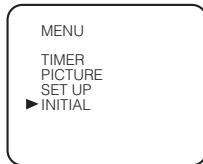
Power failure/no power

Channel information remains saved for up to 10 years, the time and timer information is saved for up to 1 minute.

Navigation in the screen menu

You can check/change many functions and settings of your unit via on-screen menu. The individual functions are selected, via the remote control as follows:

To call up the menu, press **MENU**.



To select, press **PLAY** ►/▲ **STOP** ■/▼.

To enter or change your selection, press the **number buttons** or with **PLAY** ►/▲ **STOP** ■/▼.

To save or confirm, press ►►/►.

To cancel, press **CLEAR**.

To end, press **MENU**.

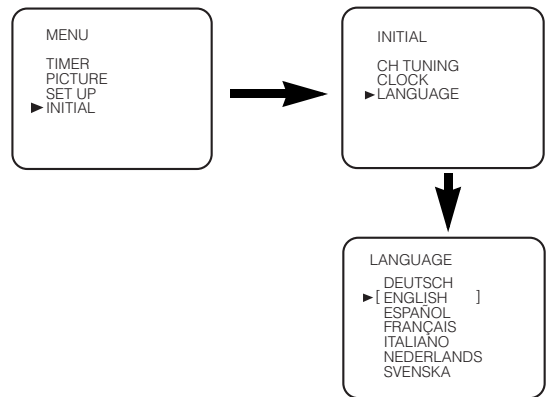
Initial Settings

Selecting the Language

- Use the remote control for this procedure.

- 1) Press **MENU**.
- 2) Press **PLAY** ►/▲ or **STOP** ■/▼ to select “INITIAL”, then press ►►/►.
- 3) Press **PLAY** ►/▲ or **STOP** ■/▼ to select “LANGUAGE”, then press ►►/►.
- 4) Press **PLAY** ►/▲ or **STOP** ■/▼ repeatedly to select your desired language.

- 5) Press **MENU**.

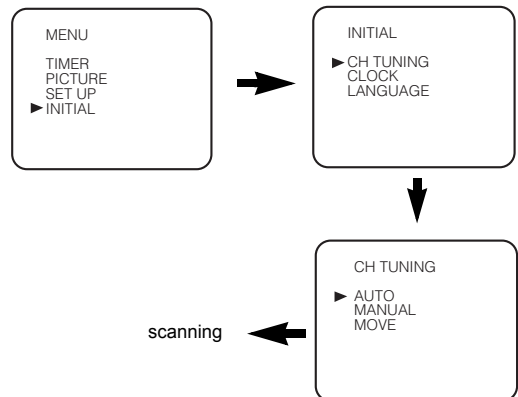


Channel Setting (Automatic Channel Preset)

You can programme the tuner to scan all the channels that you can receive in your area.

- Execution of the “Automatic” channel presetting cancels all the preset channels. **DO NOT** use this feature if you intend to use some of the pre-tuned channels. Use the “Manual” channel presetting function to tune in the additional channels you require.
- Use the remote control for this procedure.

- 1) Press **MENU**.
- 2) Press **PLAY** ►/▲ or **STOP** ■/▼ to select “INITIAL”, then press ►►/►.
- 3) Press **PLAY** ►/▲ or **STOP** ■/▼ to select “CH TUNING”, then press ►►/►.
- 4) Press **PLAY** ►/▲ or **STOP** ■/▼ to select “AUTO”, then press ►►/►.



Note: After you have connected additional devices (satellite receiver, etc.) through the aerial cable, power them on. The automatic channel search will recognize them and save them.

Setting the Clock

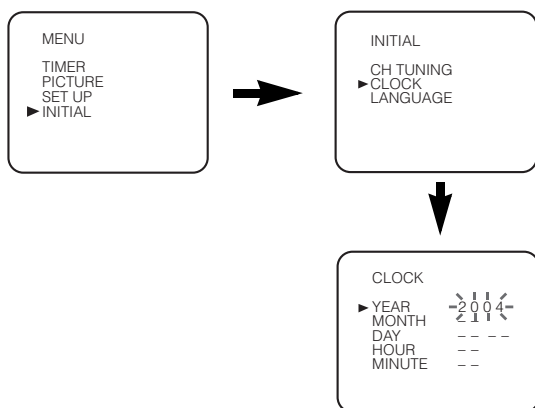
This unit incorporates a 24-hour clock. The clock must be set for the Timer Recording function to operate correctly.

- Use the remote control for this procedure.

 - 1) Press **MENU**.
 - 2) Press **PLAY ►/▲** or **STOP ■/▼** to select “INITIAL”, then press **►►/►**.
 - 3) Press **PLAY ►/▲** or **STOP ■/▼** to select “CLOCK”, then press **►►/►**.
 - 4) Press **PLAY ►/▲** or **STOP ■/▼** to select “YEAR”, then press **►►/►** or **◄◄/◄** to select relevant year.
 - 5) Select the month, day, hour and minute in the same way.
 - 6) Press **MENU**.

Note:

- Although seconds are not displayed, they begin counting from 00 when you exit by pressing **MENU**. Use this feature to synchronize the clock with the correct time.
- If the unit is unplugged or if there is a power failure for more than 1minute, you may have to reset the clock.



Decoder Allocation

Some TV channels transmit encoded TV signals which can only be viewed with a purchased or hired decoder. You can connect such a decoder to this unit. The following function will automatically activate the connected decoder for the desired TV channel.

- Use the remote control for this procedure.

 - 1) Press **PROG +/-** or the **number buttons** to select the TV channel which you would like to allocate the decoder to.
 - 2) Press **MENU**.
 - 3) Press **PLAY ►/▲** or **STOP ■/▼** to select “INITIAL”, then press **►►/►**.
 - 4) Press **PLAY ►/▲** or **STOP ■/▼** to select “CH TUNING”, then press **►►/►**.
 - 5) Press **PLAY ►/▲** or **STOP ■/▼** to select “MANUAL”, then press **►►/►**.
 - 6) Press **PLAY ►/▲** or **STOP ■/▼** to select “DECODER”.
 - 7) Press **►►/►** to select “ON” (Decoder switched on).
 - To switch off the decoder, press **►►/►** to select “OFF”.
 - 8) Press **MENU** to exit.
 - The decoder has now been allocated to this TV channel.

Manual Channel Preset

In some cases it can occur that some TV channels are not found and saved during the first installation. In this case, the missing TV channels must be searched for and stored manually.

- Use the remote control for this procedure.

 - 1) Press **MENU**.
 - 2) Press **PLAY ►/▲** or **STOP ■/▼** to select “INITIAL”, then press **►►/►**.
 - 3) Press **PLAY ►/▲** or **STOP ■/▼** to select “CH TUNING”, then press **►►/►**.
 - 4) Press **PLAY ►/▲** or **STOP ■/▼** to select “MANUAL”, then press **►►/►**.
 - 5) Press **PLAY ►/▲** or **STOP ■/▼** to select “POSITION”, then press **►►/►**.
 - 6) Press the **number buttons**, **PLAY ►/▲**, or **STOP ■/▼** to select your desired position number, then press **►►/►**.
 - You can select position number 01-99.
 - If [ON] appears on the right side of “SKIP”, press **PLAY ►/▲** or **STOP ■/▼** to point to “SKIP”. Then, press **►►/►** to select [OFF].
 - If you want to remove scrambled signals, press **PLAY ►/▲** or **STOP ■/▼** repeatedly to point to “DECODER”. Then, press **►►/►** to select [ON].
 - 7) Press **PLAY ►/▲** or **STOP ■/▼** to select “CHANNEL”, then press **►►/►**.

Press **PLAY ►/▲** or **STOP ■/▼**. The unit tuner will begin to search up or down automatically. When a channel is found, the unit will stop searching and the picture will appear on the TV Screen.

 - You can select desired channel number by using the **number buttons**. You must refer to the following Channel Plan table and press three digits to select the channel number.
(To select channel 24, press “0” button first and then press “2” and “4”.)

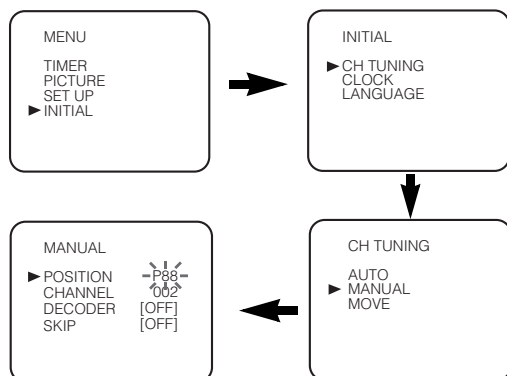
• If this is the channel you want, press ►►/►.

Channel Plan	
CH Indication	TV Channel
02 – 12	E2 – E12
13 – 20	A – H (only ITALY)
21 – 69	E21 – E69
74 – 78	X, Y, Z, Z+1, Z+2
80 – 99, 100	S1 – S20, GAP
121 – 141	S21 – S41

This unit can receive Hyper and Oscar frequency bands.

8) Press **MENU** to exit.

Note: To confirm that a channel has been added, press **PROG +/-**.



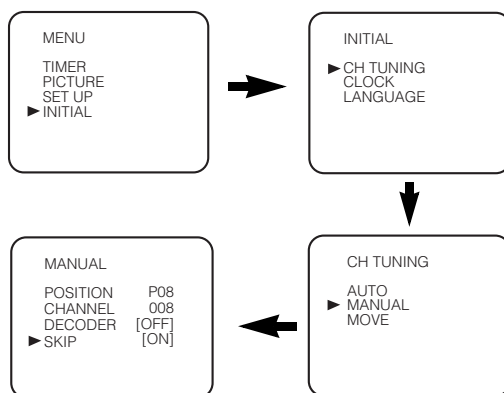
To Skip a Preset Channel

The channels you can no longer receive or seldom watch can be set to be skipped when you access channels by pressing **PROG +/-**.

• Use the remote control for this procedure.

- 1) Press **MENU**.
- 2) Press **PLAY ►/▲** or **STOP ■/▼** to select “INITIAL”, then press ►►/►.
- 3) Press **PLAY ►/▲** or **STOP ■/▼** to select “CH TUNING”, then press ►►/►.
- 4) Press **PLAY ►/▲** or **STOP ■/▼** to select “MANUAL”, then press ►►/►.
- 5) Press **PLAY ►/▲** or **STOP ■/▼** to select “POSITION”, then press ►►/►.
- 6) Press the **number buttons**, **PLAY ►/▲**, or **STOP ■/▼** to select relevant position number, then press ►►/►.
- 7) Press **PLAY ►/▲** or **STOP ■/▼** to select “SKIP”, then press ►►/► to select [ON].
 - To memorize the channel again, press ►►/►. “ON” will change to “OFF”.
- 8) Press **MENU** to exit.

Note: To confirm that a channel has been deleted, press **PROG +/-**.

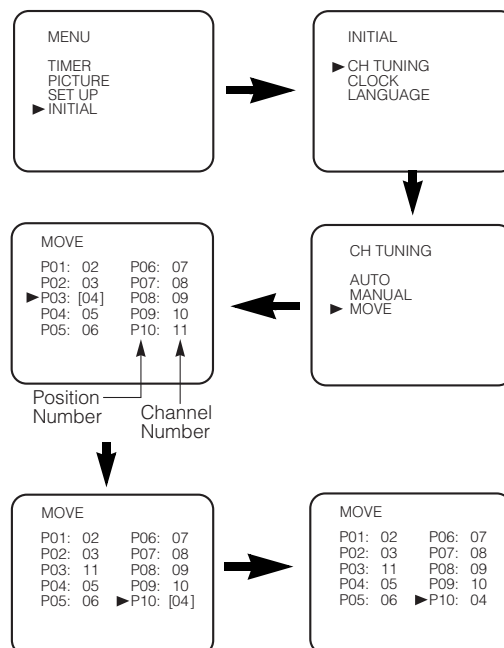


Channel Reprogramming

You can replace two channels.

• Use the remote control for this procedure.

- 1) Press **MENU**.
- 2) Press **PLAY ►/▲** or **STOP ■/▼** to select “INITIAL”, then press ►►/►.
- 3) Press **PLAY ►/▲** or **STOP ■/▼** to select “CH TUNING”, then press ►►/►.
- 4) Press **PLAY ►/▲** or **STOP ■/▼** repeatedly to select “MOVE”, then press ►►/►.
- 5) Press **PLAY ►/▲** or **STOP ■/▼** repeatedly to select the position number you want to change the channel, then press ►►/►.
 - You cannot select a position number where “- -” appears next to the number. This is because SKIP is set to [ON] for this position number.
- 6) Press **PLAY ►/▲** or **STOP ■/▼** repeatedly until the channel move to another position number, then press ►►/►.
- 7) Press **MENU**.



TV Functions

To Select a Desired Channel

You can select a desired channel by using **PROG +/-**, or directly pressing the **number buttons** on the remote control.

- Enter a channel numbers as a two-digit number for the quickest results. For example, to select channel 6, press **0** and **6**. If you only press **6**, channel 6 will be selected after a brief delay.

You can only select channels 1–99.

Selection of the EXT1/AV1 Scart Socket

To select the EXT1/AV1 scart socket, enter 0,0,1, with the **number buttons** on the remote control. “AV1” appears on the screen.

Using the Satellite Receiver

You can receive channels from the satellite receiver via the EXT1/AV1 scart socket.

To do this, select the channel number “AV1” by pressing 0,0,1, with the **number buttons** on the remote control. You will have to select the channel you want to receive on the satellite receiver itself.

Selection of the Front AUDIO/VIDEO Input Sockets

To select the front AUDIO/VIDEO input sockets, enter 0,0,2, with the **number buttons** on the remote control. “AV2” appears on the screen.

Volume Control

You can adjust the volume using **VOL +/-** on the remote control.

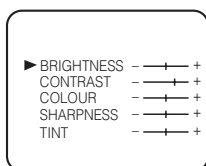
- Note:**
- If you want to change the volume on the machine, press **VOL +/-** on the unit.
 - If you want to mute the sound temporarily (e.g.: during a telephone call), press **MUTE** on the remote control. When you press **MUTE** again, the sound will return at its original volume level.

Picture Settings

The picture can be adjusted according to your personal preferences. These settings are automatically stored after exiting the main menu.

- Use the remote control for this procedure.

- 1) Press **MENU**.
- 2) Press **PLAY ▶/▲** or **STOP ■/▼** to select “PICTURE”, then press **▶▶/▶**.
- 3) Press **PLAY ▶/▲** or **STOP ■/▼** to select an item, and then modify with **◀◀/◀** or **▶▶/▶**.



- 4) Press **MENU** to exit.

“TINT” appears only when receiving NTSC signals from an additional device connected by either EXT1/AV1 scart socket or front input sockets.

Teletext Reception

Operation for TVCR-A1404T/TVCR-A2104T only

Many TV channels transmit Teletext information along with their TV channels. With this unit, you can retrieve and display it on the screen using the built-in Teletext decoder.

- Use the remote control for this procedure.
- 1) Press **TEXT** to switch the Teletext decoder on. Your unit now shows Teletext for the TV channel you have selected. Press **TEXT** again to show Teletext in transparent mode.
 - 2) If you want to select another page, type in the number of the page with the **number buttons**.

Note:

- To enlarge fonts, press **EXPAND**.
- To select Teletext subpages, press **SUBCODE**.
- To directly select the page numbers shown at the bottom of the TV screen, use a colour button.
- To call up the hidden information, press **REVEAL**.
- To stop turning pages, press **HOLD**.
- To go back to the start page, press **INDEX**.

- 3) Press **TEXT** to switch the Teletext decoder off.

Sleep Timer

This unit can be turned off automatically after a predetermined period.

- Use the remote control for this procedure.

- 1) Press **SLEEP**.
- 2) Press **SLEEP** repeatedly to extend the duration by 30-minute increment.

The screen will show the remaining time, e.g.: “+0:30”.

- The machine now counts backwards until the power is down.

Note:

- The maximum to be set is 2 hours.
- To set this function off, press **SLEEP** on the remote control several times until “--:--” appears on the screen.
- To check the remaining time, press **SLEEP** on the remote control.
- If a recording is in process, this function will be cancelled.

Playback

Basic Playback

Your unit can record on and play standard VHS cassettes.

- 1) Put a cassette into the cassette slot. The cassette is inserted automatically.
The unit will turn on automatically. If the erase-protection tab has been removed, the unit will start playback automatically.
- 2) Press **PLAY ▶/▲** to begin playback.
<If a tape is already in the unit...>
 - Just press **PLAY ▶/▲** or **▶ (PLAY)** on the unit. Power will automatically turn on and playback will start.
- 3) To stop playback, press **STOP ■/▼** or **■/▲ (STOP/EJECT)** on the unit.
- 4) To eject the cassette, press **■/▲ (STOP/EJECT)** on the unit when the unit stops the playback.

Tracking Adjustment

- Tracking adjustment will be activated automatically (Digital Tracking function) when you start playback.
- When playing pre-recorded tapes or tapes recorded on units other than your own, noise lines (black and white streaks) may appear on the playback picture. If this occurs, you can adjust the tracking control manually by pressing **PROG +/-** until the streaks disappear. To return to the DTR function, stop the tape once and start playback again.

Speed Search

- 1) Press **▶▶/▶** or **◀◀/◀** during playback to view a videotape at a high speed in either a forward or reverse direction. In this mode, the sound will be muted.
- 2) Press the button again, the unit will now search in super high speed. (This function will not operate for a cassette recorded in SP mode in the NTSC standard.)
- 3) Press **PLAY ▶/▲** to return to normal playback.

Still Picture

- 1) Press **PAUSE** during playback to view a still picture on the TV screen.
 - 2) Press **PLAY ▶/▲** to return to normal playback.
- If you press **PAUSE** to freeze the picture, usually there will be noiselines on the TV screen. This is normal, however, each time you press **PAUSE** the lines will change position.
 - When the picture begins to vibrate vertically, stabilize the picture by pressing **PROG +/-** on the unit in the Still mode.
 - After the unit has been in Still mode for 5 minutes, it will stop automatically to protect the tape and the video head.

<Note for “Speed Search” and “Still Picture”>

- Usually there will be video “noise” lines (black and white streaks or dots) on the screen. This is normal.
The still picture will, in addition to containing the “noise” lines, be black and white.
This is not a fault of the machine but merely a by-product of the technology involved in producing a unit with LP mode.

Fast Forward and Rewind

- 1) Press **STOP ■/▼** to stop the tape.
- 2) Press **◀◀/◀** or **▶▶/▶**.
- 3) Press **STOP ■/▼** to stop the tape.

Manual Recording

Recording

- 1) Insert a cassette tape with its erase-prevention tab in place. (If necessary, rewind or fast forward the tape to the point at which you want to begin recording.)
- 2) Press the **number buttons** or **PROG +/-** to select the channel to be recorded.
- 3) Press **RECORD** to begin recording.
 - The RECORD indicator on the front panel comes on.
- 4) Press **STOP ■/▼** to stop recording.

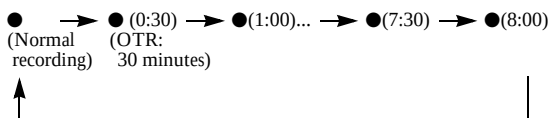
Skipping Unwanted Programme Material During Recording

- 1) Press **PAUSE** when you want to temporarily halt recording.
After 5 minutes, the unit will automatically switch to the Stop mode to prevent tape damage.
- 2) Press **PAUSE** or **RECORD** to resume recording.
 - The RECORD indicator on the front panel flashes fast in the Pause mode.

OTR (One Touch Recording)

This function enables you to set the duration of a recording simply by pressing **RECORD**.

- 1) Follow steps 1) to 2) in “Recording” section.
- 2) Press **RECORD** repeatedly until the desired recording length appears in the upper left corner of the TV screen.



Recording stops when 0:00 is reached.

- To check time remaining during an OTR
Press **STATUS**.
- To change the recording length during an OTR
Press **RECORD** repeatedly until the desired length appears.
- To stop an OTR before recording is finished
Press **STOP ■/▼**.
- To cancel the OTR but continue recording
Press **RECORD** repeatedly until “●” appears without the recording length.

Assemble Function

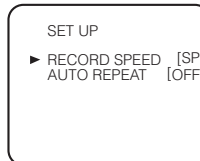
When you add a further recording to a cassette, which already has a recording on it, a short blank (flicker) can appear between the old and the new recording or the picture itself can flicker. To help reduce these from occurring, proceed as follows:

- 1) Insert a pre-recorded tape. Press **PLAY ►/▲** to start playback.
- 2) Press **PAUSE** at the desired point on the tape.
- 3) Press **RECORD**. The unit will be in the Recording Pause mode.
 - The RECORD indicator on the front panel flashes fast.
- 4) Press **PROG +/-** to select the channel to be recorded.
- 5) Press **RECORD** or **PAUSE**. The recording will begin.
 - The RECORD indicator on the front panel comes on.
- 6) Press **STOP ■/▼** to stop a recording.

Selecting the Recording Speed (SP or LP)

LP allows to double the recording duration on tape (for example 6 hours instead of 3 hours on a E180 cassette).

- 1) Press **MENU**.
- 2) Press **PLAY ►/▲** or **STOP ■/▼** to select “SET UP”.
- 3) Press **PLAY ►/▲** or **STOP ■/▼** to select “RECORD SPEED”.
- 4) Press **►►/►** to select the required recording speed.
- 5) Press **MENU** to exit.



Timer Recording

Timer Recording

You may program the unit to start and end a recording while you are away. You can set 8 programmes to record on specific days, daily or weekly within a 1 year period.

- Use the remote control for this procedure.
- Insert a cassette tape with its erase-prevention tab in place. (If necessary, rewind or fast forward the tape to the point at which you want to begin recording.)

- 1) Press **MENU**.
- 2) Press **PLAY ►/▲** or **STOP ■/▼** to select “TIMER”, then press **►►/►**.

Note: If you have not set the clock yet, “CLOCK” setting menu appears. If so, follow the steps outlined in the “Setting the Clock” section. Then, set the timer.

- When you press **►►/►** after pressing **PLAY ►/▲** or **STOP ■/▼** during steps 3) to 7), the input mode will move to the next step.
 - Press **◄◄/◄** to go back one step from the current setting during steps 4) to 7). If **CLEAR** is pressed, the entire programme contents will be erased.
- 3) Press **PLAY ►/▲** or **STOP ■/▼** repeatedly to select a programme row. Then, press **►►/►**.
 - 4) Press **PLAY ►/▲** or **STOP ■/▼** repeatedly until the relevant channel number appears.
 - 5) **For once-only recording :** Press **PLAY ►/▲** or **STOP ■/▼** repeatedly until the relevant date appears.
For daily recording : To record a TV programme at the same time on the same channel from Monday through Friday. Press **PLAY ►/▲** or **STOP ■/▼** repeatedly to select “MO-FR”.
For weekly recording : To record a TV programme at the same time on the same channel every week. Press **PLAY ►/▲** or **STOP ■/▼** repeatedly to select “W-MO” (Example: every monday).
 - 6) Press **PLAY ►/▲** or **STOP ■/▼** repeatedly until the relevant start hour appears. Next, enter the minute digit.
 - 7) Press **PLAY ►/▲** or **STOP ■/▼** repeatedly until the relevant end hour appears. Next, enter the minute digit.
 - 8) Press **►►/►**. Programme is now completed.
 • To set another timer programme, repeat steps 3) to 8).
 - 9) Press **MENU** to exit.
 - 10) Press **STANDBY-ON/⏻** to activate the timer.
 • The RECORD indicator on the front panel flashes *slow*.
 • If **STANDBY-ON/⏻** is not pressed, the Timer Recording cannot be performed and the RECORD indicator flashes *fast* 2 minutes before the TIMER Recording starts. Press **STANDBY-ON/⏻** to activate the timer.

To Stop a Timer Recording Which Has Already Started

Press **■/▲(STOP/EJECT)** on the unit.

Note: **STOP ■/▼** on the remote control will not function in the Timer Recording mode.

To Correct Timer Programmes

If you want to correct an automatic timer after you finished setting programme,

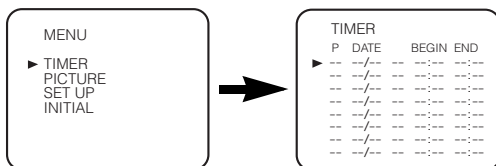
- 1) Repeat steps 1) to 3) in the “Timer Recording” section.
- 2) Select the setting you want to change using **►►/►** or **◄◄/◄**.
- 3) Enter the correct numbers using **PLAY ►/▲** or **STOP ■/▼**.
- 4) Press **MENU** to exit.
- 5) Press **STANDBY-ON/⏻** to return to timer standby mode.

To Cancel or Check the Start/End Time

- 1) Repeat steps 1) to 2) in the “Timer Recording”.
- 2) TIMER list appears on the TV screen and you can check programmes on the list.
 Press **PLAY ►/▲** or **STOP ■/▼** to select a programme and press **CLEAR** to cancel that.
- 3) Press **MENU** to exit.

Hint for Timer Recording

- If there is a power failure or if the unit is unplugged for more than 1 minute, the clock setting and all timer settings will be lost.
- If the tape runs out before the end time, the unit will switch to the Stop mode immediately, eject the tape and the unit will be turned off. The RECORD indicator will flash fast.
- If a tape is not in the unit, timer recording cannot be performed and the RECORD indicator flashes fast. If an erase-prevention tab of the tape is missing, the tape will be ejected and the RECORD indicator will flash fast. Please insert a recordable tape.
- The unit will only perform a timer recording after it has been placed into timer standby mode.

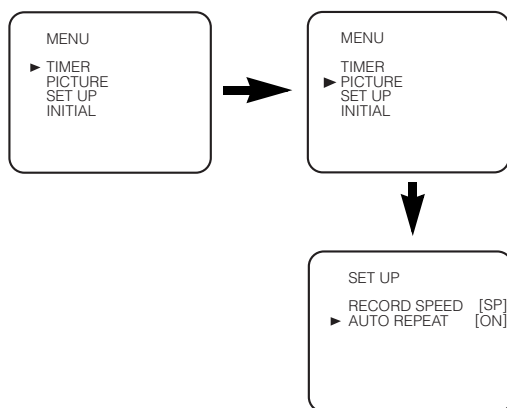


Other Functions

Auto Repeat Playback

This function can be used to play a cassette over and over again. When the end of the cassette is reached, it will rewind and start from the beginning again.

- Use the remote control for this procedure.
 - Insert a pre-recorded tape.
- 1) Press **MENU**.
 - 2) Press **PLAY ►/▲** or **STOP ■/▼** to select “SET UP”, then press **►►/►**.
 - 3) Press **PLAY ►/▲** or **STOP ■/▼** to select “AUTO REPEAT”.
 - 4) Press **►►/►** so that “ON” appears next to “AUTO REPEAT” on the TV screen.
When in Stop mode, Auto Repeat mode will start automatically.
If the on-screen menu still remains, press **MENU** to exit, then press **PLAY ►/▲**.



Your unit will automatically rewind and start playing the tape from the beginning when it recognizes a non-recorded part longer 10 seconds.

To Stop Playback

Press **STOP ■/▼**.

To Exit the Auto Repeat Mode

Repeat steps 1) to 3). Then, press **►►/►**.

“OFF” will appear next to “AUTO REPEAT” on the TV screen. Press **MENU** to exit.

Automatic Operations

Automatic Rewind, Eject

When the end of a tape is reached during playback or fast-forward, the tape will automatically rewind to the beginning. After that, the unit will eject the tape.

- The tape will not auto-rewind during timer recording or One Touch Recording.

Real Time Tape Counter

- This shows the elapsed recording or playback time in hours, minutes, and seconds. (Nothing is shown in the case of blank portion.)
- Press **STATUS** repeatedly. The “-” indication will appear when the tape is rewound further than the tape counter position “0:00:00”.

Copying a Video Tape

You can make copies of videotapes made by friends or relatives for your own enjoyment.

WARNING:

- **Unauthorized recordings of copyrighted video tapes may be an infringement of copyright laws.**

Connect this unit to the playback unit through the EXT1/AV1 scart socket or front AUDIO/VIDEO input sockets.

- 1) Insert a pre-recorded videocassette into the playing unit.
- 2) Insert a blank videocassette or one you want to record over into the cassette compartment of this unit.
- 3) Select an input mode ‘AV1’ or ‘AV2’ on this unit by pressing **PROG +/-**.
 - If you are using the EXT1/AV1 scart socket, select ‘AV1’. If you are using the front AUDIO/VIDEO input sockets, select ‘AV2’.
- 4) Press **●(RECORD)** on this unit.
- 5) Begin playback on the playing VCR.
- 6) To stop recording, press **■/▲(STOP/EJECT)** on this unit first, and then stop playback on the playing unit.

Note: • For best results during dubbing, use the front panel controls. Using a remote control may affect the playback unit’s operation.

- If picture or colour fades in or out, you may have copied a copy-guarded videocassette.

Maintenance

Cabinet Cleaning

- Wipe the front panel and other exterior surfaces of the unit with a soft cloth that has been immersed in lukewarm water and wrung dry.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the unit. Such chemicals may cause damage and discolouration to the exposed surfaces.

Auto Head Cleaning

- This feature automatically cleans the heads as you insert or remove a cassette to ensure a clear picture.
- The playback picture may become blurred or interrupted even if the TV programme received is clear. This does not mean that the recorded programme has been erased. This problem is caused by dirt accumulated on the head after long periods of use, or usage of rental or old tapes. In this case, head cleaning requires highly technical expertise and the nearest dealer should therefore be consulted. Clean heads only when problems occur.

Service

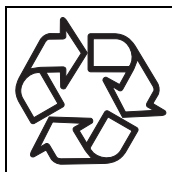
Should your unit become inoperative, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Turn the unit off, unplug the power cord, and take the unit to a Service Centre for servicing.

Troubleshooting Guide

If you have followed the instructions contained in this manual and have difficulty in operating your unit, locate the SYMPTOM in the left column below. Check the corresponding cell CORRECTIVE ACTION columns to remedy the problem.

SYMPTOM	CORRECTIVE ACTION
Your unit does not respond to any button being pressed.	• There is no power supply: check the power supply. • There is a technical problem: disconnect from the mains power supply for 5 minutes then power-up again. (After disconnection, time and timer settings will be cleared.)
A cassette is jammed in the unit.	• Do not use force. Disconnect the set from the mains and reconnect it again after a few seconds.
Remote control does not work.	• Remote control is not pointed at the unit. • Take out the batteries, wait for 10 seconds and place them back in the remote control. • Batteries have run out. Change the batteries.
No picture when you play a cassette.	• There is no recording on the cassette.
Poor picture quality when you play a cassette.	• The cassette is badly worn-out or of poor quality. Use a new cassette. • Tracking is not properly adjusted. Turn to section "Tracking Adjustment". • Magnetism from nearby appliances and geo-magnetism might affect the colour of the TV picture. Move the unit away from such sources. The unit will readjust itself automatically. If you want to initiate an immediate readjustment, unplug the unit from the mains and plug it in again approximately 30 minutes later.
No recording possible.	• The TV channel you want to record is not stored or you have selected the wrong programme number: check TV channels stored. • A cassette was inserted that does not have the erase-prevention tab (cannot be used to record): Insert a cassette with the erase-prevention tab or change cassette. For more information, please see the section "Video Cassette Tape" in chapter "Before Using This Product" and "Hint for Timer Recording" in chapter "Timer Recording".

Make your contribution to the environment!!!



- Spent batteries do not belong in the dustbin.
- You can dispose of them at a collection point for spent batteries or special waste.

Contact your council for details.

Specifications

	TVCR-A1404 TVCR-A1404T	TVCR-A2104 TVCR-A2104T
Voltage	220-240V/50Hz	
Power consumption (Standby)	less than 5W	
Rewind time	less than 260 seconds (cassette E-180)	
Number of video heads	2	
Recording/playback time	3 hours (SP) (cassette E-180) 6 hours (LP) (cassette E-180)	
Weight without packing in kg	10.5	20.6
Dimensions in cm (HxWxD)	40.1x37.9x38.0	51.2x51.0x50.1
Power consumption	52W	65W

Declaration of Conformity

CE Marking: 93 / 68 / EEC
EMC-Directive: 89 / 336 / EEC
Low Voltage Directive: 73 / 23 / EEC
We: Funai Electric Trading (Europe) GmbH
Bluecherstrasse 11
22767 Hamburg/Germany



declare that the TV-Video Combi
TVCR-A1404, TVCR-1404T
TVCR-A2104, TVCR-A2104T
are in compliance with following norms:

EN 55013: 2001
EN 55020: 2002
EN 61000-3-2: 2000
EN 61000-3-3: 1995 + A1: 2001
EN 60065: 1998